

FIGURE 1

HUMAN NMCAR1 cDNAs

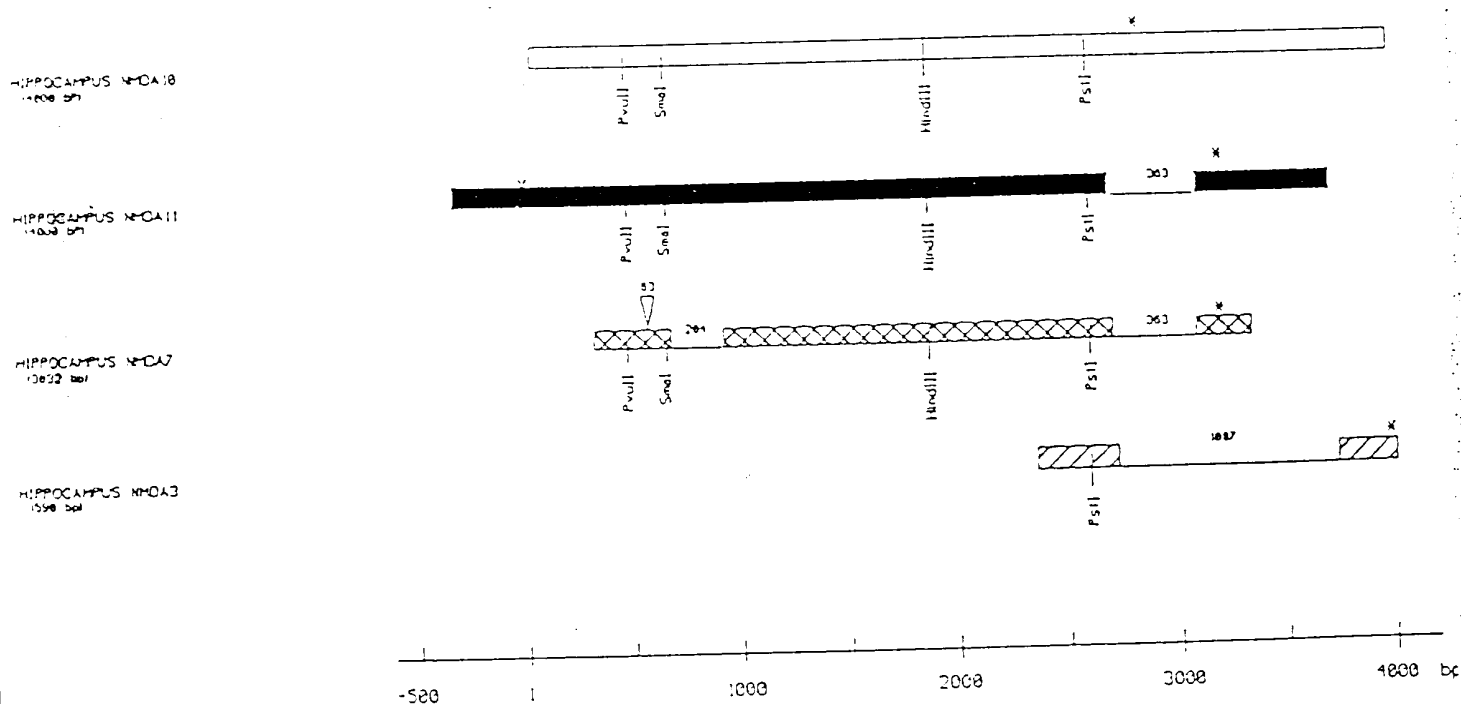
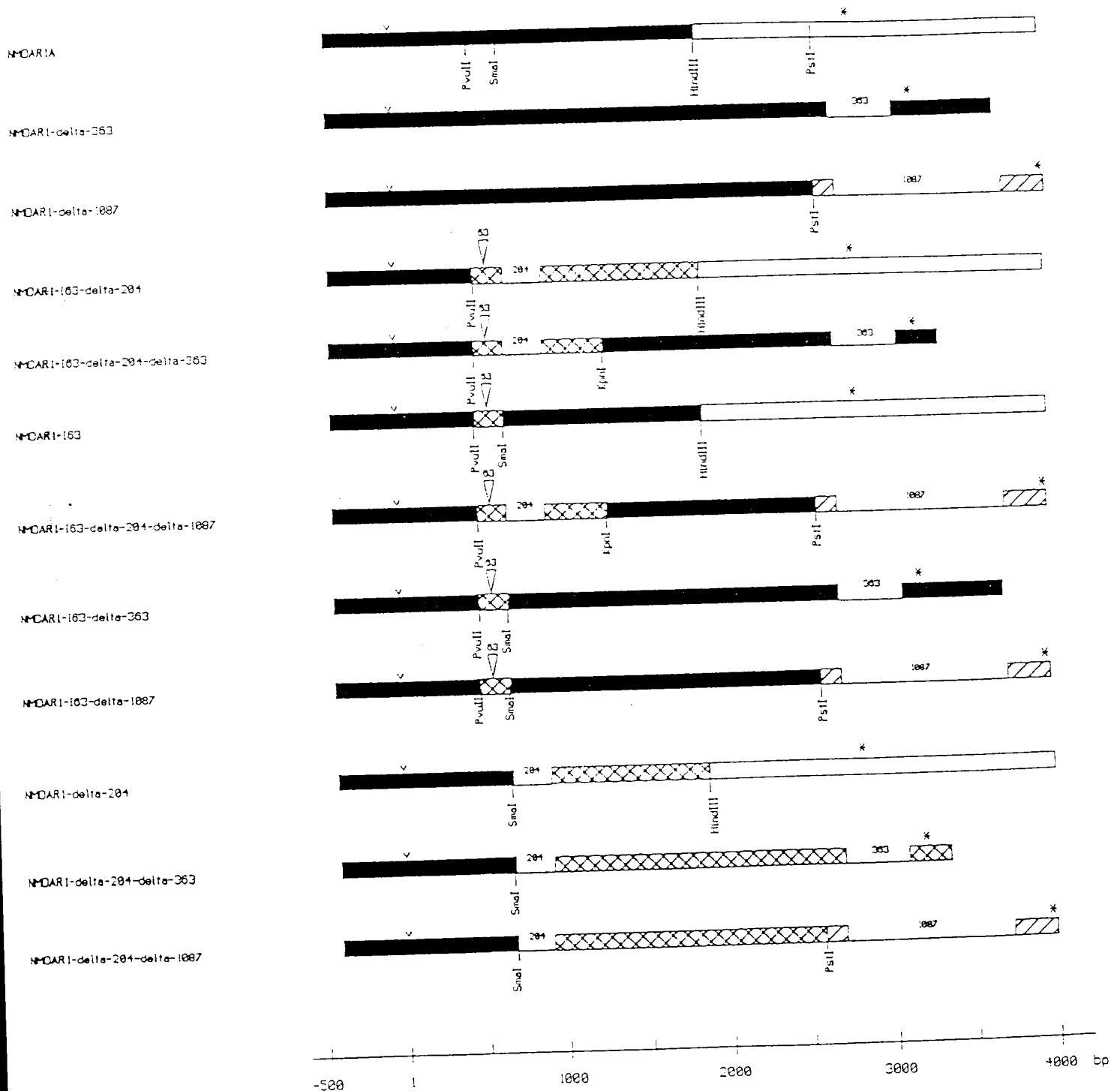


FIGURE 2

HUMAN NMDAR1A CONSTRUCTS



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FIGURE 3

NUCLEOTIDE SEQUENCE OF THE HUMAN NMDARIA RECEPTOR

1 caagccgggc gttcggagct gtgcccggcc cggcttcagg accgcccaga ggcggggcgg cgtggggcgt agcggcgagg ccccgccgac gcttcaggcc
101 cctttccctc ggcggagctc cggggaccgc cgtccggggg gagacgtggc gtccgcagcc cggggggcgg ggcggagcga ggcggcccg gaaagccccc
201 gggggatgag cggggggccc cgcgttcgag cgcgcagag ccaggccggc ggcggagccc catgagccac atgcgcctgc tgacgctgac cctgctgttc
301 tctgtctgac tgcggcctgc cgcgtgacac cccaagatgc tcaacattgg cggcggtgctg agcagccgga agcagcagca gatgttcgac gaggccgtga
401 accagggcaa caagccggac ggcgtctgca agattcagct caatgcccac tccgtcagcg acaagcccaa ccccatccag atgctctgtt cgggtgcca
501 ggaacctcgc tccagccagg tctacggcat cctagttagg catccaccta ccccaacga ccaattcact cccacccctg tctctacac agccggcttc
601 taccgcatac cgtgctggg gctgacacac ccatgtgcca tctactgcca caagcagcgc cactgagct tctgcccac cgtgcccgc tactccgac
701 agtccagcgt gtggtttgag atgattgctg tctacagctg caagcagcgc atctgctgg tccagcagca ccaagcaggg cggcgccctc acaagcgcct
801 ggaagcgtg ctagcagcgc gtgagtcgca ggcagagaa gtgctgcagt ttgacccagg gaccagaagc gtgacggccc tctgtatgga ggcgaagag
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1001 ggtggtgctg cagcggccag atctcgggga agccctgccc ctacggccca gacggcctgc tggggctgca gctcatcaac ggcgaagcgc agtccggcca
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1201 atctggaaga cggcgccgct ctccaagaga gtgctgctgt ctccaagta tggcgatggc gtgactggtc cgttggagtt caatcaggtt gggagccgga
1301 agttccgcaa ctacagcgc atgaacgctc acaagccgca gctggtgcaa gtgggcatct acaatggcac ccaagcgcgc cctaatgaca ggaagatcat
1401 ctggccagcg ggaagagcgc acaagccgct aggtaccag atgtccagca gactgaagat tctgacgac caccagagac ccttctgtga cctcaagccc
1501 accgtgagtg atggacatg caagcagcgc ttacagtcga accgcccacc agtcaagaa gtgactgtga cccggcccaa ccaacgctgc cccggcagcc
1601 cccgcccacac ggtgctcag tgttgcagc gcttttgcac cagcctgctc atcaagctgc caccgacctc gaacttcacc taccaggtgc acctggtgac
1701 agatggcagc ttcggcagac agcagccggt caaacagcgc acaagaaagg agtggatggc gatgagggc gaggctgctc gccggcagcc agacatgac
1801 gtggccggcc taacctataa caacagcgc ggcagctaca tggagtttgc caagcccttc aagtagcagg gctgactat tctgtcaag aagcagatc
1901 cccggcagcgc gctgagctgc ttcatgagc cgttcagag cactgtgctg ctgctggtgc gctgctgctg gcaagctgctg gctgagtc tctactgct
2001 ggaagcgttc agcccttgc ggcgttcaa gctgaacgc gaggagagc agcagcagc actgacccgc tctgcccga tctgttctc cttggcgctc
2101 ctgctcaact cccgcatcgc ggaagccgccc cccagagct tctcagcgc catcctgggc atggtgtggc cccgcttgc catgacatc gtcgctctc
2201 acaccccaa cctgcccgc tctgctgctc tggacccgc ggaagcgc atcagccga tcaacgccc tggctgagc aacccctgc acaagttat
2301 ctacgcccag gtgaagcga gctcctgga tatctacttc cggcgccagg tggagctgag caccatgtac cggcatatg acaagcaca ctacagagt
2401 gccggccagg ccatcagcgc cgtgagagc acaagctgc atgcctcat ctggcagcgc ggggtgctgc agttcgagc ctcgagagc tggcagctgc
2501 tgacagctgc agagctgttt ttcgctcgc gcttcgcat agcagctgc aagcagcgc cctggaagca gaagctgctc ctgtccatcc tcaagtcga
2601 cgaatagctc ttcatgaa acctgacaa gactgggtt cgtatcagc aatgtgact cgcagcaac gcccctgca ccttacttt tgagaacatg
2701 gccggggtct tcatgctgt agtgggggc atctggccc gactctctc gattttcatc gagattgct acaagcgcga caagatgct cccggagc
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3001 gacacagctc tggccgagc cgtattgag agggagagc gccagctgca gctgtgttc cgtcataggc agagctgga ctcgccgc gcccctctc
3101 gccccctcc cgcagagcgc acagacagc ggcgggga cgcggccgc ccaagcagc cccgggagca ccaggggctc gggggaggag caccgccgc
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3301 tgtctgtga tttctatctt cagcagctc catccactg atatcagc cccgctcac ctctcagac cctcggtcag caccgtggtc gggggcccc
3401 gggggcgcc acctgcccag ttgcccgc caagacact gatgggtct gctgctcgg aaggcctgag ggaagccac cgcggcaga gactgcccac
3501 cctgggcctc cgtccgtcc gcccgcac cccgctgct ggcggcgag cctgctgga caaggtgag gaccggagc gctgaggag ggcagagct
3601 gactgggtg ggcagggcg caggcgctc cgcagagc agcccttgc ggtctctgag cagtggggag cgggggctaa ctgccccag ggcgggggc
3701 ttggagcga gacggcagc ccatcttcc cgcagcaca gctgagca cagtggggc catggccca gctggctgg tgcgccctc tggggcgct
3801 ggcgtctct gacgctgag ctcacccct cctcttctt gggcagcgc ccccaacac cccgctgct ccttgagc caccagcgc ggtggcgct
3901 gcccctccc acggcgctc ctgacttcc agctggcgc gctccgccc gctcgggc gctcttcca gaatcagag gctgagccc ctctctctc
4001 cgtccggctc gacgacaga agggggcct cccggggct cccggagct gctcgggac tctctcac cctgcccgc acctgggca cgggagcgc
4101 cccccccc gcccgcgc tgcctcggg tgcgtgagc gcccgcac ttgtacaga ccagcactc caggggcga ggcgtgct tcccgtgac
4201 cagccgctc ctgcccccc gtcggcgag caccgccc ccccccctc cgggtgtat cagtgggct cctaaagga atgtcac

START
83 bp INSERT
204 bp DELETION
363 bp DELETION
1087 bp DELETION

FIGURE 4

HUMAN NMDAR2C cDNAs

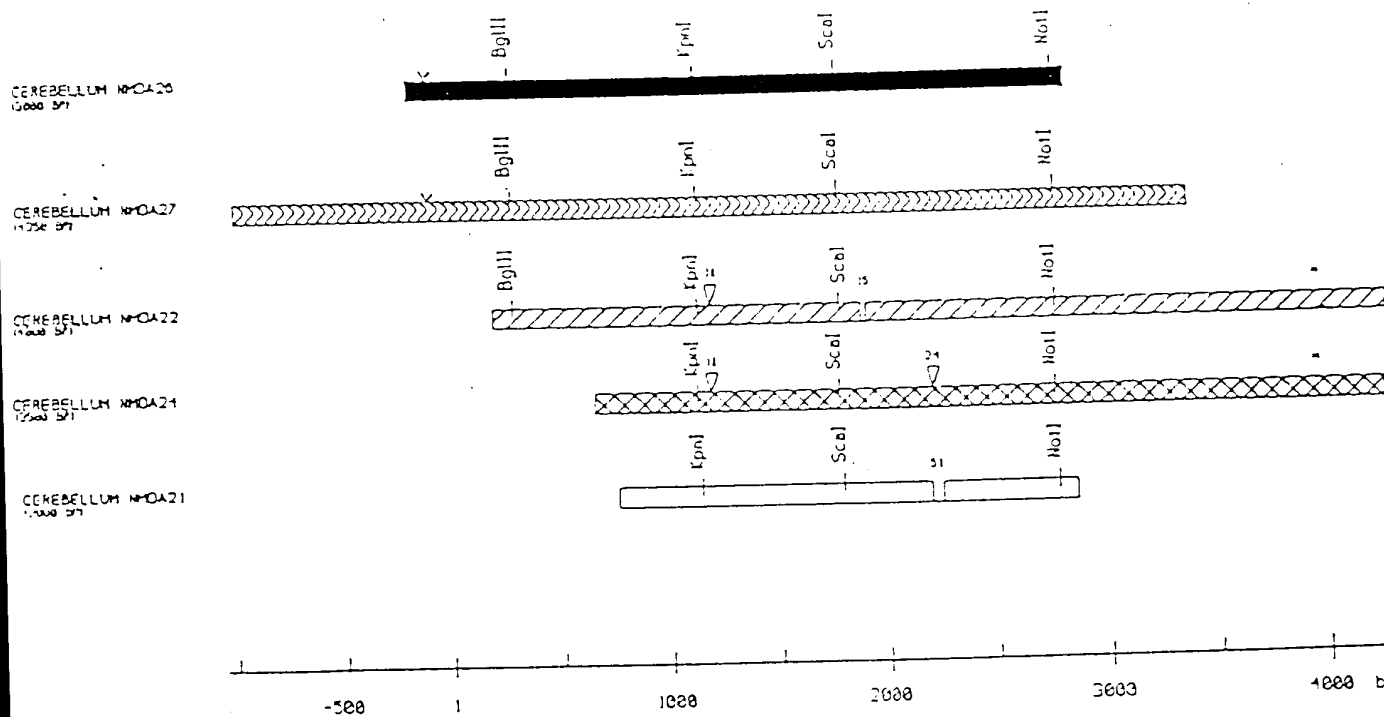


FIGURE 5

CONSTRUCTION OF THE FULL-LENGTH HUMAN NMDAR2C cDNAs

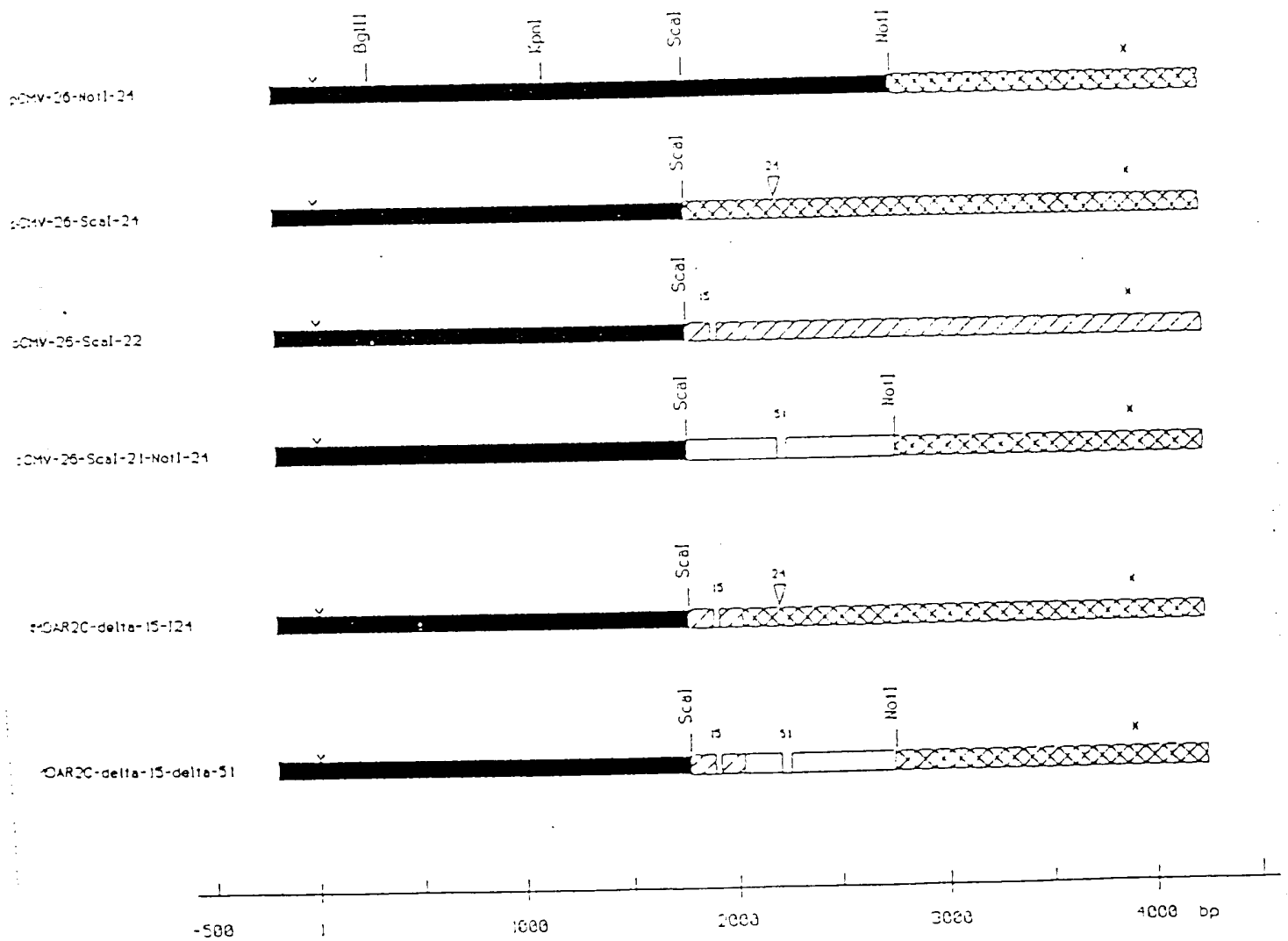


FIGURE 6

